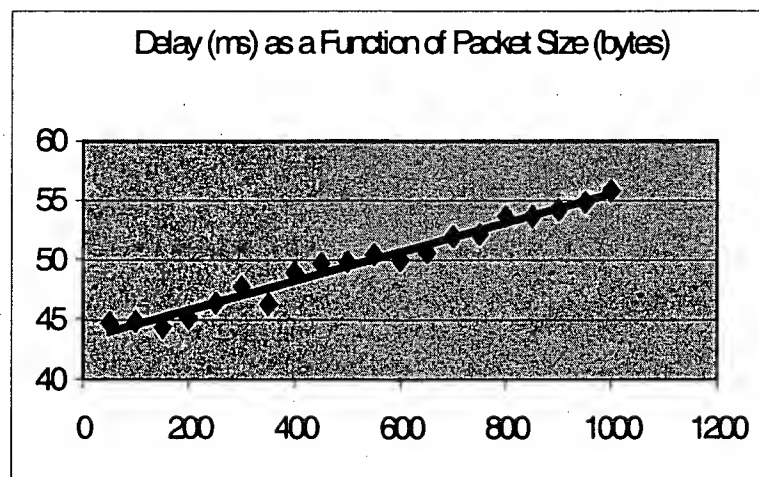


FIG. 1

FIG. 2



300

GENERATE SET OF  
RANDOMLY SIZED DATA  
PACKET PAIRS

310

SEND EACH PACKET OF EACH  
SET TO NODES TO BE TESTED

320

RECEIVE RESPONSE  
MESSAGE FROM NODES

330

GENERATE DELAY TIMES FOR  
SET OF DATA PACKET PAIRS

340

ESTIMATE TOTAL  
BANDWIDTH BETWEEN  
NODES BASED ON DELAY  
TIMES

FIG. 3

300

GENERATE SET OF  
RANDOMLY SIZED DATA  
PACKET PAIRS

310

SEND EACH PACKET OF EACH  
SET TO NODES TO BE TESTED

320

RECEIVE RESPONSE  
MESSAGE FROM NODES

330

GENERATE DELAY TIMES FOR  
SET OF DATA PACKET PAIRS

380

ESTIMATE  $\alpha$  USING  
BAYESIAN ANALYSIS

390

ESTIMATE AVAILABLE  
BANDWIDTH BASED ON  
ESTIMATED  $\alpha$  AND  $\gamma$

350

GENERATE  
TRAFFIC  
AT  
REMOTE  
LOCATION

360

INJECT  
GENERATED  
TRAFFIC

370

ESTIMATE  
CONSTANT  $\gamma$

FIG. 4

